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SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50004/003003
		Serial No.	09/371,347
		Applicant	Roy A. Gravel et al.
		Filing Date	August 10, 1999
		Group	1632
(37 CFR §1.98(b))		IDS Filed	October 3, 2000

## U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)

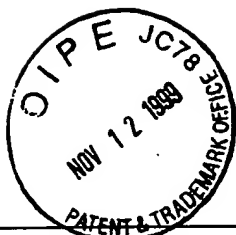
## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
<i>DJS</i>	WO 99/06552	11.02.99	PCT			
<i>DJS</i>	WO 97/25440	17.07.97	PCT			

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

<i>DJS</i>	Wilson et al., "Molecular basis for methionine synthase reductase deficiency in patients belonging to the cblE complementation group of disorders in folate/cobalamin metabolist," Human Molecular Genetics 8(11):2009-2016, (1999)

EXAMINER <i>Roy A. Gravel</i>	DATE CONSIDERED <i>7-26-01</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	



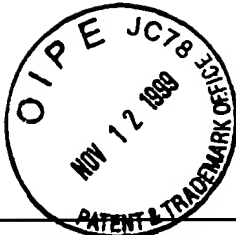
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)							
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)							
<del>DJS</del>	Brasch et al., "Neonatal Megaloblastic Anemia Associated with Reduced Cellular Uptake of Folate and Low Methyl-B12 Levels: A New Mutation," Aust. N. Z. J. Med. 18 Supp.434 (1988).						
<del>DJS</del>	Frosst et al., "A Candidate genetic Risk Factor for Vascular Disease: a Common Mutation in Methylenetetrahydrofolate Reductase," Nat. Genet. 10:111-113 (1995).						
<del>DJS</del>	Goyette et al., "Human methylenetetrahydrofolate reductase: isolation of cDNA, mapping and mutation identification" Nature Genetics 7:195-200 (1994).						
<del>DJS</del>	Gulati et al., "Defects in Auxiliary Redox Proteins Lead to Functional Methionine Synthase Deficiency," J. Biol. Chem. 272:19171-19175 (1997).						
<del>DJS</del>	Hudson et al., "An STS-Based Map of the Human Genome," Science 270:1945-1954 (1995).						
<del>DJS</del>	Leclerc et al., "Molecular Cloning, Expression and Physical Mapping of the Human Methionine Synthase Reductase Gene," Gene 12140:1-14 (1999).						
<del>DJS</del>	Leclerc et al., "Cloning and mapping of a cDNA for methionine synthase reductase, a flavoprotein defective in patients with homocystinuria" Proc. Natl. Acad. Sci. USA 95:3059-3064 (1998).						
<del>DJS</del>	Rosenblatt et al., "Altered Vitamin B <sub>12</sub> Metabolism in Fibroblasts from a Patient with Megaloblastic Anemia and Homocystinuria Due to a New Defect in Methionine Biosynthesis," J. Clin. Invest. 74:2149-2156 (1984).						
<del>DJS</del>	Rosenblatt et al., "Prenatal Vitamin B <sub>12</sub> Therapy of a Fetus with Methylcobalamin Deficiency (Cobalamin E Disease)," Lancet 1:1127-1129 (1985).						
<del>DJS</del>	Rozen, "Molecular Genetic Aspects of Hyperhomocysteinemia and its Relation to Folic Acid," Clin. Invest. Med. 19:171-178 (1996).						
EXAMINER <i>David J. Steinman</i>				DATE CONSIDERED <i>02-27-01</i>			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Serial No.	09/371,374		
				Applicant	Roy A. Gravel et al.		
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				Group	1632		
(37 CFR §1.98(b))				IDS Filed			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)							
<del>DJS</del>	Schuh et al., "Homocystinuria and Megaloblastic Anemia Responsive to Vitamin B <sub>12</sub> Therapy," N. Engl. J. Med. 310:686-690 (1984).						
<del>DJS</del>	Tauro et al., "Dihydrofolate Reductase Deficiency Causing Megaloblastic Anemia in two Families," N. Engl. J. Med., case one 294:466 (1976).						
<del>DJS</del>	van der Put et al., "Mutated Methylenetetrahydrofolate Reductase as a Risk Factor for Spina Bifida," The Lancet 346:1070-1071 (1995).						
<del>DJS</del>	Watkins et al., "Functional Methionine Synthase Deficiency (cblE and CblG): Clinical and Biochemical Heterogeneity," Am. J. Med. Genet. 34:427-434 (1989).						
<del>DJS</del>	Wilson et al., "A Common Variant in Methionine Synthase Reductase Combined with Low Cobalamin (Vitamin B <sub>12</sub> ) Increase Risk for Spina Bifida," Molecular Genetics and Metabolism 67:317-323 (1999).						
EXAMINER	<i>David J. Headman</i>			DATE CONSIDERED	2-27-01		
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